

WETSOFT® AE 200

Functional Silicone Fluids

WETSOFT® AE 200 is a modified aminofunctional polydimethylsiloxane for use in non-yellowing, hydrophilic textile finishing.

Properties

WETSOFT® AE 200 greatly increases wearer comfort by virtue of its moisture-absorbing properties. It is therefore ideal for nonwovens and terry cloth. The hydrophilic properties are the result of the special orientation of WETSOFT® AE 200 on the fiber surface. This technology ensures the finished textiles have a uniformly good hand and wetting properties. WETSOFT® AE 200 features low water solubility compared with glycol and quaternary functional polysiloxanes, and thereby provide significant wash resistance. Emulsions based on WETSOFT® AE 200 show a very good compatibility with cationic and nonionic organic softeners.

Specific features

- Clear liquid
- Dilutable with water
- Low yellowing

Technical data

General Characteristics

Property	Condition	Value	Method
Viscosity, dynamic ⁽¹⁾	25 °C	2000 - 10000 mPa·s	-
Appearance	-	clear, colorless to yellowish liquid	-

¹acc. DIN EN ISO 2555

These figures are only intended as a guide and should not be used in preparing specifications.

All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

Applications

- Textile Finishing
- Softeners & Hydrophilic Softeners
- Textile & Leather
- Textiles & Leather

Application details

WETSOFT® AE 200 is an excellent active ingredient in hydrophilic softeners for finishing all kinds of fibers and textiles. WETSOFT® AE 200 provides woven and knitwear, in particular nonwovens and terry, with a soft, supple hand.

When applied under normal conditions as part of a softener formulation, WETSOFT® AE 200 has no effect on the whiteness. In fact, it has no perceptible influence on the color or color fastness of textiles and fibers in general. WETSOFT® AE 200 emulsions are applied in padding and exhaust processes and can be used on their own or in combination with organic softeners, polyethylene waxes, and other finishing agents. Individual tests to ensure compatibility should be carried out in advance in order to ensure compatibility.

Processing:

WETSOFT® AE 200 can be applied either neat, as a solution or as an emulsion. Suitable solvents include aliphatic and aromatic hydrocarbons, chlorinated hydrocarbons, higher alcohols, esters and ketones.

Most textile processes are waterbased. Hence WETSOFT® AE 200 is mainly applied from emulsion.

For greater degrees of dilution, or if the formulation contains other active substances, it is necessary to test the compatibility and storage stability.

Emulsions of WETSOFT® AE 200 are diluted to the optimum concentration for the specific fabric. Application can be done by padding or exhaustion.

Typical formulation

1.6 % i-Tridecyl-O-(EO) 3 -H (HLB 8)
10.4 % i-Tridecyl-O-(EO) 8 -H (HLB 13)
6.0 % diethylen glycol lmonobutyl ether
12.0 % demineralized water
30.0 % WETSOFT® AE 200
39.9 % demineralized water
0.1 % preservative
For emulsion manufacturing slow shear mixers are sufficient (e.g. blade, anchor, propeller, etc.).

Add the emulsifiers to the demineralized water and thoroughly homogenize. Slowly add WETSOFT® AE 200 and stir until the product is homogeneous. Finally dilute with demin. water, add the preservative and filter the emulsion through a fine Perlon fabric.

Packaging and storage

Packaging

WETSOFT® AE 200 is available

- 190 kg drum
- 950 kg IBC

Storage

Store in a dry and cool place.

The 'Best use before end' date of each batch is shown on the product label.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

QR Code WETSOFT® AE 200



For technical, quality or product safety questions, please contact:

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